



PN01-0365-2-30



PN01-0365-2-33

Advanced Tensiometer

Problem

INEEL's Idaho Nuclear Technology and Engineering Center remediation project needed to continuously monitor groundwater infiltration in and around high-level radioactive waste tanks.

Baseline Technology

No baseline Technology.

Innovative Technology

The Advanced Tensiometer uses a water-filled porous chamber and electronic pressure sensor to determine soil moisture 'tension'—a factor used to determine groundwater movement.

Comparison

The Advanced Tensiometer enables continuous monitoring of groundwater movement.

Benefits

Understanding the movement of groundwater enables project managers to make improved risk management decisions supporting high-level radioactive waste tank remediation.

ENVIRONMENTAL RESTORATION PROGRAM

Project: ID-ER-103
Idaho Nuclear Technology and Engineering Center Remediation

OST #2122